



5. Attached hereto as **Exhibit 4** is a true and accurate copy of International Patent Application Publication No. WO 2014/011407 (filed June 27, 2013) (AIRM00037251) (“‘551 PCT”).

6. Attached hereto as **Exhibit 5** is a true and accurate copy of U.S. National Stage Application No. 14/413,290 (filed Jan. 7, 2015) (IMSTEM-0039650) (“‘551 Non-Provisional”).

7. Attached hereto as **Exhibit 6** is a true and accurate copy of an Information Disclosure Statement (“IDS”) and accompanying documents filed in connection with the ‘551 Non-Provisional on June 1, 2016 (IMSTEM-0039591).

8. Attached hereto as **Exhibit 7** is a true and accurate copy of a Non-Final Office Action mailed by the USPTO in connection with the ‘551 Non-Provisional on July 28, 2016 (IMSTEM-0043278).

9. Attached hereto as **Exhibit 8** is a true and accurate copy of an Amendment under 37 C.F.R. § 1.111 and accompanying documents filed in connection with the ‘551 Non-Provisional on January 17, 2017 (IMSTEM-0039536).

10. Attached hereto as **Exhibit 9** is a true and accurate copy of the Expert Report of Dr. Bryan Zerhusen (Nov. 1, 2019), exhibits omitted.

11. Attached hereto as **Exhibit 10** is a true and accurate copy of a Notice of Allowance and accompanying documents mailed by the USPTO in connection with the ‘551 Non-Provisional on May 5, 2017 (IMSTEM-0019658).

12. Attached hereto as **Exhibit 11** is a true and accurate copy of the Expert Rebuttal Report of Bruce Bunnell, PH.D. (Nov. 1, 2019).

13. Attached hereto as **Exhibit 12** is a true and accurate copy of the Rebuttal Expert Report of John M. Perry, PH.D (Nov. 1, 2019), exhibits omitted.

14. Attached hereto as **Exhibit 13** is a true and accurate copy of Emails between Erin Kimbrel and Matthew Vincent (June 28, 2013) (AIRM00031180)).

15. Attached hereto as **Exhibit 14** is a true and accurate copy of the Opening Expert Report of Bruce Bunnell, PH.D. (Oct. 4, 2019), exhibits omitted.

16. Attached hereto as **Exhibit 15** is a true and accurate copy of excerpts of the Deposition Transcript of Lisa Fortier, D.V.M., Ph.D (Dec. 4, 2019).

Signed under the pains and penalties of perjury this 10<sup>th</sup> day of January, 2020.

/s/ Timothy R. Shannon  
Timothy R. Shannon

**CERTIFICATE OF SERVICE**

I hereby certify that I caused a copy of this document to be filed in accordance with the Court's procedures through the CM/ECF system, to be sent electronically to the registered participants, and paper copies to be sent to those indicated as nonregistered participants.

Dated: January 10, 2020

/s/ Timothy R. Shannon

Timothy R. Shannon